## AMENDMENTS TO THE CLAIMS

- 1. (Currently amended) A thermally curable adhesive composition, consisting essentially of comprising:
- (A) a compound selected from (i) a thermosetting polymer[[, or]] and (ii) a monomer which is polymerisable polymerizable to yield a thermosetting polymer, wherein the thermosetting polymer (i) and the thermosetting polymer yielded by polymerization of the monomer (ii) where said polymer is are crosslinkable when subject to the action of a chemical crosslinking agent; and
- (B) a chemical crosslinking agent for said polymer, the crosslinking agent selected from (i) polyacids, (ii) polyanhydrides, and (iii) hydrazides, wherein the crosslinking agent has having fluxing properties and exhibiting either no reactivity or but insignificant reactivity with the polymer at ambient temperatures and without the action of a catalyst and/or heat, but which crosslinking agent serves to crosslink said polymer in the presence of heat equal to or greater than a melting point of solder, or in the presence of the catalyst, or in the presence of both the heat and the catalyst; and, is a solid at ambient temperature, and is insoluble in the thermally curable adhesive composition until heated to a soldering temperature; and wherein the composition is thermally curable when heated to a soldering temperatures in the presence of a catalyst because the polymer is crosslinked by action of the crosslinking agent.
- 2. (Canceled)
- 3. (Canceled)
- 4. (Currently Amended) The composition according to claim [[3]]1, wherein the polyacids is selected from polymers containing two or more carboxyl groups and di- and polyarboxylic acids and di- and polyarbydrides.

5. polyca	(Currently Amended) [[A]]The composition according to claim 4, wherein the arboxylic acid is a C <sub>8</sub> or greater dicarboxylic acid.
6. hydraz	(Currently Amended) [[A]] <u>The composition according to claim [[3]]1</u> , wherein the ride is a monohydrazide, dihydrazide or polyfunctional hydrazide.
	(Currently Amended) [[A]] The composition according to [[any]] claim [[6]]1, wherein osslinking agent contains a dihydrazide and/or, a dicarboxylic acid or a mixture of a razide and a dicarboxylic acid.
	(Currently Amended) [[A]] <u>The composition according to claim [[6]]7</u> , wherein the nking agent contains adipic dihydrazide and/or, dodecanedioic acid or a mixture of adipic azide and dodecanedioic acid.
	(Currently Amended) [[A]] The composition according to claim 41, wherein the nking agent is a styrene acrylic acid copolymerpolyanhydride is either polyazelaic ride or polyadipic anhydride.
10.	(Canceled)
11.	(Canceled)
12.	(Canceled)
13.	(Canceled)
14.	(Canceled)
15.	(Canceled)

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16.	(Currently amended) [[A]]The thermally curable adhesive composition consisting-			
essen	tially of			
	(a) a thermosetting polymer, or a monomer which is polymerisable to yield a			
therm	osetting polymer, where said polymer is crosslinkable when subject to the action of a			
<del>chem</del>	ical crosslinking agent;			
	(b) a chemical crosslinking agent for said polymer, said crosslinking agent having			
fluxir	ng properties so as to flux metals to create metal salts that are catalytic for promoting			
erossl	linking of the polymer by the chemical crosslinking agent; and			
	(c) an composition according to claim 1, further comprising an acid flux which is liquid at			
tempe	eratures below 100°C that fluxes metals so as to create metallic salt, said metallic salt being-			
<del>non-c</del>	atalytic for the reaction of (a) and (b) above;			
	wherein metals are fluxed by both the acid flux and by the chemical crosslinking agent to			
<del>produ</del>	ice metal salts, but only metal salts produced by action of the fluxing with the chemical			
erossl	linking agent serve to catalyze the crosslinking of the polymer by the chemical crosslinking-			
agent	•			
17.	(Currently amended) [[A]] The composition according to [[any ]]claim 16, wherein the			
acid f	lux is liquid at temperatures from 20°C to 25°C.			
18.	(Previously presented) [[A]] The composition according to Claim 16, wherein the acid			
flux i	s a monocarboxylic acid, preferably containing at least eight carbon atoms.			
19.	(Previously presented) [[A]] The composition according to Claim 18, wherein the acid			
flux is	s a versatic acid, capric acid, caprylic acid, lauric acid, stearic acid or palmitic acid.			
20.	(Canceled)			
21.	(Canceled)			

22.	(Canceled)
23.	(Canceled)
24.	(Canceled)
25.	(Canceled)
26.	(Canceled)
27.	(Canceled)
28.	(Canceled)
29.	(Canceled)
30.	(Canceled)
31.	(Canceled)
32.	(Canceled)
33.	(Canceled)
34.	(Canceled)

35.

(Canceled)

36. (Currently amended) A method of producing an electronic device, the method comprising[[;]]:

opposing an electrical component having a plurality of electrical terminations, each termination including a solder bump, and a component-carrying substrate having a plurality of electrical terminations corresponding to the terminations of the electrical component;

applying a thermally curable adhesive composition to a metal surface at one and/orbothon at least one of [[said ]] the electrical component and [[said]] the substrate;

bringing the electrical component and <u>the</u> substrate into contact at elevated temperature so as to solder the electrical component to the substrate while simultaneously achieving encapsulation <u>thereof of the electrical component and the substrate</u> in the <u>thermoset polymer-produced in situ from monomer or polymer in the</u> adhesive composition, <u>in which-method wherein</u> [[(1)]] the thermally curable adhesive composition <u>consists essentially of comprises</u>

(a) a thermosetting polymer, or a monomer which is polymerisable to yield a thermosetting polymer, where said polymer is crosslinkable when subject to the action of a chemical crosslinking agent;

(b) a chemical crosslinking agent for said polymer, the crosslinking agent having fluxing properties and exhibiting either no reactivity or but insignificant reactivity of the polymer at ambient temperature and without the action of a catalyst and/or heat, but which crosslinking agent serves to crosslink said polymer in the presence of heat equal to or greater than a melting point of solder, or in presence of the catalyst, or in presence of both the heat and the catalyst;

wherein the composition is thermally curable at temperatures above the melting point of the solder bump and in the presence of a catalyst for the crosslinking of the polymer with the crosslinking agent(A) a compound selected from (i) a thermosetting polymer, and (ii) a monomer which is polymerizable to yield a thermosetting polymer, wherein the thermosetting polymer (i) and the thermosetting polymer yielded by polymerization of the monomer (ii) are crosslinkable when subject to the action of a chemical crosslinking agent; and

	(B) a chemical crosslinking agent selected from (i) polyacids, (ii) polyanhydrides, and (iii)
<u>hydra</u>	zides, wherein the crosslinking agent has fluxing properties, is a solid at ambient
tempe	erature, and is insoluble in the thermally curable adhesive composition until heated to a
solde	ring temperature; and wherein the composition is thermally curable when heated to a
solde	ring temperatures.; and
	(2) catalysis is achieved by metal oxide removed from metal surfaces by reaction
<del>betwe</del>	een the metal oxide serving as the catalyst and the crosslinking agent.
37.	(Canceled)
38.	(Canceled)
39.	(Canceled)
10	(Carracia d)
40.	(Canceled)
41.	(Canceled)
42.	(Canceled)
43.	(Canceled)
44.	(Canceled)
45.	(Canceled)

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